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Canon

EOS 450D

DIGITAL

Embargo Date: 24th January 2008 (04.00AM GMT)
Sales Start Date: March 2008
Target Market: Amateur Photographers

Key Features in Importance Order:

- 12.2 Megapixel CMOS sensor
- 3.5 frames per second continuous shooting
- 9-point wide-area AF with f/2.8 cross-type centre point
- EOS Integrated Cleaning System
- 3.0" LCD with Live View mode
- 14-bit processing and DIGIC III for enhanced speed and image quality
- Large, bright viewfinder
- Customisable Picture Style image processing options
- Compact and lightweight body
- Digital Photo Professional RAW processing software
- Compatible with all Canon EF and EF-S lenses and Speedlite EX flashes

The EOS 450D is a new addition to Canon's Digital SLR range.

Canon's Digital SLR range consists of the following products:
EOS-1Ds Mark III, EOS-1D Mark III, EOS 5D, EOS 40D, **EOS 450D**, EOS 400D

Product Name	Mercury Code	EAN Code	Recommended Retail Price
EOS 450D Body Kit Black	2758B009AA	8714574516707	£599.99 / €899.99
EOS 450D 18-55 IS Lens Kit Black	2758B014AA	8714574516752	£679.99 / €999.99
What's in the box (Body Kit Black): EOS 450D (Black) Body, Eyecup Ef, Camera Cover R-F-3, Wide Strap EW-100DBIII, Battery Charger LC-E5E, Power Cord, Battery Pack LP-E5, Battery Cover, Video Cable VC-100, Interface Cable IFC-200U			
What's in the box (18-55 IS Lens Kit Black): EOS 450D (Black) Body, Eyecup Ef, Camera Cover R-F-3, Wide Strap EW-100DBIII, Battery Charger LC-E5E, Power Cord, Battery Pack LP-E5, Battery Cover, Video Cable VC-100, Interface Cable IFC-200U, EF-S 18-55mm 1:3.5-5.6 IS, Lens Dust Cap E-58, Lens Dust Cap E, Promotional Tag (First 3 months)			

Accessories	Mercury Code	EAN Code
Battery Pack (LP-E5)	3039B001AA	4960999612225
Battery Charger (LC-E5E)	3048B001AA	4960999612478
AC Adapter Kit (ACK-E5)	3071B003AA	4960999613079
DC Coupler (DR-E5)	3072B001AA	4960999613116

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Accessories	Mercury Code	EAN Code
Car Battery Charger (CBC-E5)	3051B001AA	4960999612485
Battery Grip (BG-E5)	3052B001AA	4960999612546
Wide Strap (EW-100DBIII)	3055B001AA	4960999612553
Case (EH19-L)	2748B002AA	4960999612560
Eyepiece Extender (EP-EX15II)	3069B001AA	4960999613130

Technical Specifications

IMAGE SENSOR	
Type	22.2 x 14.8mm CMOS
Effective Pixels	Approx. 12.2M
Total Pixels	Approx. 12.4M
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed with Self Cleaning Sensor Unit
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
Type	DIGIC III
LENS	
Lens Mount	EF/EF-S
Focal Length	1.6x Multiplication with EF lens fitted
FOCUSING	
Type	TTL-CT-SIR with a CMOS sensor
AF System/Points	9 AF points (Cross type f/2.8 at centre)
AF Working Range	EV -0.5-18 (at 23°C & ISO100)
AF Modes	AI Focus, One Shot, AI Servo
AF Point Selection	Automatic selection, Manual selection
Selected AF Point Display	Superimposed in viewfinder and indicated on LCD monitor
Predictive AF	Yes
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode
AF Assist Beam	Intermittent firing of built-in flash
Manual Focus	Selected on lens
EXPOSURE CONTROL	
Metering Modes	TTL full aperture metering with 35-zone SPC 1. Evaluative metering (linked to all AF points) 2. Partial metering at center (approx. 9% of viewfinder) 3. Spot metering at center (approx. 4% of viewfinder) 4. Center weighted average metering
Metering Range	EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved Manual: By AE lock button in creative zone modes
Exposure Compensation	+/- 2 EV, 1/2 or 1/3-stop increments
AEB	+/- 2 EV, 1/2 or 1/3-stop increments
ISO Speed Equivalent	AUTO(100-800), 100, 200, 400, 800, 1600 (in 1/3-stop increments) ISO 200-1600 in Highlight Tone Priority (C.Fn II -3)
SHUTTER	
Type	Electronically-controlled focal-plane shutter
Speed	30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
Shutter Release	Soft touch electromagnetic release
WHITE BALANCE	
Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9

WHITE BALANCE (CONTINUED)	
WB Bracketing	+/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias
COLOUR MATRIX	
Type	Two types of colour space, sRGB and Adobe RGB
VIEWFINDER	
Viewfinder	Eye-level SLR (with fixed pentamirror)
Coverage (Vertical/Horizontal)	Approx. 95%
Magnification	0.87x [1]
Eyepoint	Approx. 19mm (from eyepiece lens center)
Dioptre Correction	-3 to +1 m^{-1} (dioptre)
Focusing Screen	Fixed
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60)
Viewfinder Information	AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB), flash information (flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light), white balance correction, SD card information, monochrome shooting, maximum burst
Depth of Field Preview	YES
Eyepiece shutter	On strap
LCD MONITOR	
Monitor	3.0" TFT, approx. 230K dots Live View Mode with selectable grid
Coverage	Approx. 100%
Brightness	Adjustable to one of seven levels
FLASH	
Modes	Auto, Manual Flash On/Off, Red-Eye Reduction
HotShoe/PC Terminal	YES / NO
X-sync	1/200sec
Red-eye Reduction	YES
Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
Flash Exposure Bracketing	Yes
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
Built-in Flash Range	Coverage up to 17mm focal length (27mm equivalent)
Guide Number (ISO 100, meters)	13
External Flash	E-TTL II with EX series Speedlites, wireless multi-flash support
SHOOTING	
Modes	Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Program AE , Shutter priority AE, Aperture priority AE, Manual, A-DEP
Photo Effects	Monochrome (selected from the "Picture Style" menu) with options for Filters and Toning Effects.
Drive Modes	Single/Continuous
Continuous Shooting	Max. Approx. 3.5fps. (speed maintained for up to 53 images (JPEG) [2], 6 images (RAW) [3]

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Technical Specifications (Cont.)

RECORDING PIXELS/ COMPRESSION	
Image Size	(LF) 4272x2848, (LN) 4272x2848, (MF) 3088x2056, (MN) 3088x2056, (SF) 2256x1504, (SN) 2256x1504, (RAW) 4272x2848
Compression	Fine, Normal, RAW (14bit, Canon original RAW 2nd edition)
FILE FORMAT	
Still Image Format	JPEG (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG simultaneous recording	Yes (RAW + Large JPEG only)
File Numbering	1. Consecutive numbering 2. Auto reset 3. Manual reset
Processing Parameters	6 Preset 'Picture Styles' with 3 User defined settings
DIRECT PRINT	
Canon Printers	Canon SELPHY Printers, Bubble Jet Printers with the direct print function and PIXMA Printers supporting PictBridge
PictBridge	YES
OTHER FEATURES	
Custom Functions	13 Custom Functions with 34 settings
LCD Panel (EL) Illumination	N/A
Water/Dust Resistance	NO
My Camera	NO
Sound Memo	NO
Intelligent Orientation Sensor	YES
Histogram	Brightness: YES RGB: YES
Playback Zoom	1.5x - 10x
Display Formats	1. Single image with information (2 levels) 2. Single image 3. 4 image index 4. 9 image index 5. Jump Display
Image Erase Protection	Erase protection of one image at a time
Image Erase	Single image, All images on card, Checkmarked images, Unprotected images
Self Timer	Approx. 2 or 10 sec.
Menu Categories	1. Shooting menu 2. Playback menu 3. Setup menu 4. My Menu
Menu Languages	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Simplified Chinese, Japanese, Traditional Chinese, Korean, Russian, Polish, Hungarian, Czech
Firmware Update	Update possible by the user
INTERFACE	
Computer	USB 2.0 Hi-Speed (Mini-B)
Other	Video output (PAL/ NTSC)
MEMORY CARD	
Type	SD card, SDHC card

SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows 2000 (SP4) / XP (SP2) / Vista (excl. Starter Edition) OS X v10.3-10.4
SOFTWARE	
Browsing & Printing	ZoomBrowser EX / ImageBrowser
Other	PhotoStitch, EOS Utility (inc. Remote Capture, Original Data Security Tools*) * Requires optional accessory
Drivers	PTP TWAIN Driver (Windows 2000)
Image Manipulation	Digital Photo Professional (RAW Image Processing)
POWER SOURCE	
Batteries	1 x Rechargeable Li-ion Battery LP-E5
Battery Life	Approx. 500 (at 23°C, AE 50%, FE 50%) [4] Approx. 400 (at 0°C, AE 50%, FE 50%)
Battery Check	Automatic
Power Saving	Power turns off after 30sec or 1, 2, 4, 8 or 15mins.
A/C Power Supply	Optional, AC Adapter Kit ACK-E5
ACCESSORIES	
General	Eyecup Ef, Eyepiece Extender EP-EX15II, Angle Finder C, Semi-Hard Case EH18-L
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (220EX, 380EX, 420EX, 430EX, 550EX, 580EX, 580EX II, Macro-Ring-Lite MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
Battery Grip	BG-E5
Remote Controller/Switch	Remote Switch RS-60E3, Remote Controller RC-1/RC-5
Power Supply & Battery Chargers	AC Adapter Kit ACK-E5, Battery charger LC-E5E, Car Battery charger CBC-E5, Battery Pack LP-E5
PHYSICAL SPECIFICATIONS	
Body Materials	Stainless Steel/Plastic
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (W x H x D)	128.8 x 97.5 x 61.9 mm
Weight (body only)	Approx. 475g

[1] with 50mm lens at infinity, -1m^{-1} dpt

[2] Large/Fine resolution100

[3] Based on Canon's testing conditions with 1GB memory card JPEG quality 8, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.

[4] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

All data is based on Canon standard testing methods except where indicated. Specifications are subject to change without notice. ™ and ®: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.